



RESIDENTIAL SOLAR HOT WATER UNITS

Permits Required

Roof-mounted solar units require a plumbing permit for connection to the potable water system and sometimes require an electrical permit for any pumps. Also the weight and/or installation of the solar unit can cause structural failure. Therefore State building codes require permits for installation of all solar hot water units.

The applicant must submit a completed building permit application. If electrical work is proposed, an electrical permit application will also be needed.

In cases where electrical permits are needed, the electrical permit application must be signed by the supervising electrician. If the electrical work is being installed by the home owner, the owner of the property shall sign the application.

Information to Be Shown on the Permit

Two sets of plans (drawn to scale) need to be submitted. The plans should provide the following information.

- Location of the proposed panels on the roof (be sure to show the roof trusses, or the span, size, and spacing of the rafters)
- Location of the tank in the house (be sure to indicate whether the floor is slab or wood-framed and, if wood-framed, show the span, size, spacing, and direction of the joists)
- Anticipated weight of the panels and the water tank
- Details of how the unit will be connected to the structure
- Manufacturer's specifications and installation instructions

Permit Fees

These listed fees include the applicable 12% State and 9% City administrative charges.

These fees are current as of June 2011.

Building Permit & Plan Review	\$183.12
Plumbing Permit	97.66
*Total	\$280.78

Electrical (1 branch circuit, if needed)	79.35
*Total (w/electrical)	\$360.13

* It is important to note that review time for Supplemental Information is billed at \$95.92 per hour (1/2 hour, \$47.96 minimum).

Field Inspections (IVR Inspection Numbers)

Please see the IVR System – Inspection Codes information sheet for directions on how to call in to the City's automated IVR system and schedule an inspection.

These are the inspection codes you will need:

- 114** - Underfloor Framing - Sometimes required. This inspection depends upon the information provided at the time the application is made.
- 118** - Framing - Inspection of the panel connection to the roof structure.
- 299** - Final Electrical - Required when wiring is installed.
- 399** - Final Plumbing - Inspection of the potable water connection to ensure proper backflow prevention is provided.
- 199** - Final Building - To close the record.